ABSTRACT

Techniques for secure connections between wireless network clients and wired network resources are described. An insecure wireless network comprising a plurality of wireless access points provides a connection for wireless network clients to a wired network server which in turn provides controlled access to a wired network. When a wireless network user wishes to connect to the wired network, the user provides authentication information to the wired network server through the wireless network client and the wireless network access point. Once the wired network server has verified the authentication information, the wired network server provides the wireless network client with a temporary wired network address as well as a unique session encryption key, which is used to encrypt all data transferred between the wireless network client and the wired network server during a connection session.

0054704 - 040504